

The caption2 package*

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This package is obsolete!

The caption2 package used to be an experimental side-version of the regular caption package and has been superseded by the new release of the regular caption package version 3.0 in December 2003.

caption2 is still some kind of supported, that means it will be part of future releases and bugs will still be fixed, so existing documents using this package will still compile. But I will *not* answer questions about this package anymore except questions on migrating to the regular version of the caption package. And it will *not* be adapted or enhanced in the future.

So please don't use this package for new documents. It's old, it's obsolete and it starts to begin smell bad!

Please ignore all hints in books or other documents which try to tell you that the caption2 package should be used instead of the caption package – these hints are outdated since December 2003.

*This package has version number v2.1c, last revised 2004/05/10.

1 The Implementation

(not documented anymore)

```
1 \NeedsTeXFormat{LaTeX2e}[1994/12/01]
2 \ProvidesPackage{caption2}[2004/05/10 v2.1c Customising captions (AS)]
3 %\PackageWarning{caption2}{THIS PACKAGE IS OBSOLETE, USE caption INSTEAD!}
4 \newcommand*\captionfont{}
5 \newcommand*\captionlabelfont{}
6 \newcommand*\captionlabeldelim{}
7 \newcommand*\captionlabelsep{}
8 \newcommand*\captionsize{}
9 \newdimen\captionmargin
10 \newdimen\captionwidth
11 \newif\ifcaptionwidth
12 \newdimen\captionindent
13 \newif\ifcaptionlabel\captionlabeltrue
14 \newif\ifonelinecaptions
15 \newif\ifignoreLTcapwidth
16 \newcommand*\setcaptionmargin{%
17   \captionwidthfalse
18   \setlength\captionmargin{
19 \newcommand*\setcaptionwidth{%
20   \captionwidthtrue
21   \setlength\captionwidth{
22 \newcommand*\normalcaptionparams{%
23   \let\captionsize\@empty
24   \renewcommand*\captionfont{\captionsize}%
25   \let\captionlabelfont\@empty
26   \renewcommand*\captionlabeldelim{:}%
27   \renewcommand*\captionlabelsep{\space}%
28   \setcaptionmargin\z@\setlength\captionindent\z@
29   \onelinecaptionstrue}
30 \newcommand*\caption@eh{%
31   If you do not understand this error, please take a closer look\MessageBreak
32   at the documentation of the 'caption2' package.\MessageBreak
33   \@ehc}
34 \newcommand*\defcaptionstyle[1]{%
35   \@namedef{caption@@#1}}
36 \newcommand*\newcaptionstyle[1]{%
37   \expandafter\ifx\csname caption@@#1\endcsname\relax
38     \expandafter\defcaptionstyle
39   \else
40     \PackageError{caption2}{Caption style '#1' already defined}{\caption@eh}%
41     \expandafter\@gobbletwo
42   \fi
43   {#1}}
44 \newcommand*\renewcaptionstyle[1]{%
45   \expandafter\ifx\csname caption@@#1\endcsname\relax
46     \PackageError{caption2}{Caption style '#1' undefined}{\caption@eh}%
47     \expandafter\@gobbletwo
48   \else
49     \expandafter\defcaptionstyle
50   \fi
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51  {#1}}
52 \newcommand*\dummycaptionstyle[2]{%
53  \defcaptionstyle{#1}{%
54    \expandafter\ifx\csname caption@@\caption@style\expandafter\endcsname%
55    \csname caption@@#1\endcsname
56    \PackageError{caption2}{You can't use the caption style '#1' directly}{%
57      The caption style '#1' is only a dummy and does not really exists.%
58      \MessageBreak You have to redefine it (with \protect\renewcaptionstyle)
59      before you can select\MessageBreak it with \protect\captionstyle.
60      \space\caption@eh}%
61    \else
62      #2\usecaptionstyle{\caption@style}%
63    \fi}}
64 \newcommand*\captionstyle[1]{%
65  \expandafter\ifx\csname caption@@#1\endcsname\relax
66    \PackageError{caption2}{Undefined caption style '#1'}{\caption@eh}%
67  \else
68    \def\caption@style{#1}%
69  \fi}
70 \newcaptionstyle{normal}{\caption@make{normal}}
71 \newcaptionstyle{center}{\caption@make{center}}
72 \newcaptionstyle{centerlast}{\caption@make{centerlast}}
73 \newcaptionstyle{flushleft}{\caption@make{flushleft}}
74 \newcaptionstyle{flushright}{\caption@make{flushright}}
75 \newcaptionstyle{hang}{\caption@make{hang}}
76 \newcaptionstyle{hang+center}{\caption@make{hang@center}}
77 \newcaptionstyle{hang+centerlast}{\caption@make{hang@centerlast}}
78 \newcaptionstyle{hang+flushleft}{\caption@make{hang@flushleft}}
79 \newcaptionstyle{indent}{\caption@make{indent}}
80 \newcommand*\caption@makecaption[1]{%
81  \usecaptionmargin
82  \ifcaptionlabel
83    \def\caption@label{%
84      {\caption@labelfont\captionlabel\caption@label@delim}\caption@label@sep}%
85  \else
86    \let\caption@label\@empty
87  \fi
88  \captionfont
89  \onelinecaption
90    {\caption@label\captiontext}%
91    {\parbox[b]{\captionlinewidth}{\strut\@nameuse{caption@@@#1}\par}\par}}
92 \newcommand*\caption@make{\caption@makecaption}
93 \newcommand*\caption@@@normal{%
94  \caption@label\captiontext}
95 \newcommand*\caption@@@center{%
96  \centering\caption@label\captiontext}%
97 \newcommand*\caption@centerlast{%
98  \advance\leftskip by 0pt plus 1fil%
99  \advance\rightskip by 0pt plus -1fil%
100  \parfillskip0pt plus 2fil\relax}
101 \newcommand*\caption@@@centerlast{%
102  \caption@centerlast\caption@label\captiontext}
103 \newcommand*\caption@@@flushleft{%
104  \raggedright\caption@label\captiontext}%

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105 \newcommand*\caption@@@flushright{%
106   \raggedleft\caption@label\captiontext}%
107 \newcommand*\caption@@@hang{%
108   \sbox\@tempboxa{\caption@label}%
109   \hangindent\wd\@tempboxa\noindent
110   \usebox\@tempboxa\caption@hangplus\captiontext}
111 \newcommand*\caption@hangplus{}
112 \newcommand*\caption@@@hang@center{%
113   \let\caption@hangplus\centering\caption@@@hang}
114 \newcommand*\caption@@@hang@centerlast{%
115   \let\caption@hangplus\caption@centerlast\caption@@@hang}
116 \newcommand*\caption@@@hang@flushleft{%
117   \let\caption@hangplus\raggedright\caption@@@hang}
118 \newcommand*\caption@@@indent{%
119   \hangindent\captionindent\noindent
120   \caption@label\captiontext}
121 \DeclareOption{normal}{\captionstyle{normal}}
122 \DeclareOption{center}{\captionstyle{center}}
123 \DeclareOption{centerlast}{\captionstyle{centerlast}}
124 \DeclareOption{flushleft}{\captionstyle{flushleft}}
125 \DeclareOption{flushright}{\captionstyle{flushright}}
126 \DeclareOption{anne}{\ExecuteOptions{centerlast}}
127 \DeclareOption{hang}{\captionstyle{hang}}
128 \DeclareOption{hang+center}{\captionstyle{hang+center}}
129 \DeclareOption{hang+centerlast}{\captionstyle{hang+centerlast}}
130 \DeclareOption{hang+flushleft}{\captionstyle{hang+flushleft}}
131 \DeclareOption{isu}{\ExecuteOptions{hang}}
132 \DeclareOption{indent}{\captionstyle{indent}}
133 \DeclareOption{scriptsize}{\g@addto@macro\captionsize\scriptsize}
134 \DeclareOption{footnotesize}{\g@addto@macro\captionsize\footnotesize}
135 \DeclareOption{small}{\g@addto@macro\captionsize\small}
136 \DeclareOption{normalsize}{\g@addto@macro\captionsize\normalsize}
137 \DeclareOption{large}{\g@addto@macro\captionsize\large}
138 \DeclareOption{Large}{\g@addto@macro\captionsize\Large}
139 \DeclareOption{up}{\g@addto@macro\captionlabelfont\upshape}
140 \DeclareOption{it}{\g@addto@macro\captionlabelfont\itshape}
141 \DeclareOption{sl}{\g@addto@macro\captionlabelfont\slshape}
142 \DeclareOption{sc}{\g@addto@macro\captionlabelfont\scshape}
143 \DeclareOption{md}{\g@addto@macro\captionlabelfont\mdseries}
144 \DeclareOption{bf}{\g@addto@macro\captionlabelfont\bfseries}
145 \DeclareOption{rm}{\g@addto@macro\captionlabelfont\rmfamily}
146 \DeclareOption{sf}{\g@addto@macro\captionlabelfont\sffamily}
147 \DeclareOption{tt}{\g@addto@macro\captionlabelfont\ttfamily}
148 \DeclareOption{oneline}{\onelinecaptionstrue}
149 \DeclareOption{nooneline}{\onelinecaptionsfalse}
150 \newcommand*\caption@package[1]{\@namedef{caption@pkt@#1}}
151 \DeclareOption{float}{\caption@twozerofalse\caption@package{float}{1}}
152 \DeclareOption{longtable}{\caption@twozerofalse\caption@package{longtable}{1}}
153 \DeclareOption{subfigure}{\caption@twozerofalse\caption@package{subfigure}{1}}
154 \DeclareOption{none}{\caption@twozerofalse
155   \caption@package{float}{0}\caption@package{longtable}{0}%
156   \caption@package{subfigure}{0}}
157 \DeclareOption{all}{\ExecuteOptions{float,longtable,subfigure}}
158 \newif\ifcaption@ruled

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159 \DeclareOption{ruled}{\caption@ruledtrue}
160 \DeclareOption{boxed}{}
161 \DeclareOption{ignoreLTcapwidth}{\ignoreLTcapwidthtrue}
162 \DeclareOption{debug}{\caption@debugtrue}
163 \newif\ifcaption@debug
164 \newif\ifcaption@twozero
165 \normalcaptionparams
166 \ExecuteOptions{none,normal}
167 \caption@twozerotrue
168 \ProcessOptions*
169 \ifcaption@twozero
170   \PackageInfo{caption2}{Running in caption2 v2.0 compatibility mode}
171 \fi
172 \def\captionof{@ifstar{\caption@of{\caption*}}{\caption@of{\caption}}}
173 \newcommand*\caption@of[2]{\def\@capttype{#2}#1}
174 \@ifundefined{abovecaptionskip}{%
175   \newlength\abovecaptionskip\setlength\abovecaptionskip{10\p@}}{}
176 \@ifundefined{belowcaptionskip}{%
177   \newlength\belowcaptionskip\setlength\belowcaptionskip{0\p@}}{}
178 \newdimen\captionlinewidth
179 \newdimen\realcaptionwidth
180 \newcommand*\usecaptionmargin{%
181   \ifcaptionwidth
182     \leftskip\captionlinewidth
183     \advance\leftskip by -\captionwidth
184     \divide\leftskip by 2
185     \rightskip\leftskip
186     \captionlinewidth\captionwidth
187   \else
188     \leftskip\captionmargin
189     \rightskip\captionmargin
190     \advance\captionlinewidth by -2\captionmargin
191   \fi
192   \realcaptionwidth\captionlinewidth}
193 \newcommand\onelinecaption[1]{%
194   \let\next\@firstofone
195   \ifonelinecaptions
196     \sbox\@tempboxa{#1}%
197     \ifdim\wd\@tempboxa >\captionlinewidth
198       \else
199         \def\next{{\centering\usebox{\@tempboxa}\par}\@gobble}%
200       \fi
201   \fi\next}
202 \newcommand*\usecaptionstyle[1]{%
203   \@ifundefined{captiontext}{%
204     \PackageError{caption2}{You can't use \protect#1
205       in normal text}{The usage of \protect#1 is only
206       allowed inside code declared with\MessageBreak \protect\defcaptionstyle,
207       \protect\newcaptionstyle \space or \protect\renewcaptionstyle.
208       \space\caption@eh}
209   }{%
210     \@ifundefined{caption@@#1}%
211     {\PackageError{caption2}{Caption style '#1' undefined}{\caption@eh}}%
212     {\@nameuse{caption@@#1}}%

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213 }}
214 \renewcommand\@makecaption[2]{%
215   \vskip\abovecaptionskip
216   \captionlinewidth\hsize
217   \realcaptionwidth\hsize
218   \def\captionlabel{#1}%
219   \def\captiontext{#2}%
220   \usecaptionstyle{\caption@style}%
221   \vskip\belowcaptionskip}
222 \renewcommand*\caption@package[3]{%
223   \ifl\@nameuse{caption@pkt@#1}%
224     \ifundefined{#2}%
225       {\let\next\AtBeginDocument}%
226       {\let\next\@firstofone}%
227     \else\ifcaption@twozero
228       \ifundefined{#2}%
229         {#3\let\next\@gobble}%
230         {\let\next\@firstofone}%
231     \else
232       #3\let\next\@gobble
233   \fi\fi
234   \expandafter\let\csname caption@pkt@#1\endcsname\undefined
235   \ifcaption@debug
236     \ifx\next\@gobble\PackageInfo{caption2}{#1 => gobble}%
237     \else\ifx\next\@firstofone\PackageInfo{caption2}{#1 => firstofone}%
238     \else\ifx\next\AtBeginDocument\PackageInfo{caption2}{#1 => AtBeginDocument}%
239     \fi\fi\fi
240   \fi
241   \next}
242 \caption@package{float}{floatc@plain}{}{}%
243 \ifx\floatc@plain\relax
244   \PackageWarning{caption2}{%
245     Option 'float' was set but there is no float package loaded}
246 \else
247   \PackageInfo{caption2}{float package v1.2 (or newer) detected}
248   \newcommand\caption@floatc[3]{%
249     \ifx\captionlabelfont\@empty
250       \let\captionlabelfont\@fs@cfont
251     \fi
252     \captionlinewidth\hsize
253     \realcaptionwidth\hsize
254     \def\captionlabel{#2}%
255     \def\captiontext{#3}%
256     \usecaptionstyle{#1}}
257 \renewcommand*\floatc@plain{\caption@floatc{\caption@style}}
258 \ifcaption@ruled
259   \dummyscaptionstyle{ruled}{\onelinecaptionsfalse\setcaptionmargin{\z@}}%
260 \else
261   \newcaptionstyle{ruled}{%
262     \ifcaptionlabel
263       {\@fs@cfont\captionlabel}\space%
264     \fi\captiontext\par}%
265   \fi
266 \renewcommand*\floatc@ruled{\caption@floatc{ruled}}

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267 \renewcommand*\caption@of[2]{\def\@captive{#2}%
268 \ifundefined{fst@#2}{}{}%
269 \@nameuse{fst@#2}%
270 \ifundefined{@float@setevery}{}{\@float@setevery{#2}}%
271 \let\caption@fs@capt\@fs@capt
272 \let\@fs@capt\caption@of@float}%
273 #1}
274 \newcommand\caption@of@float[2]{\egroup
275 \vskip\abovecaptionskip
276 \normalsize\caption@fs@capt{#1}{#2}%
277 \vskip\belowcaptionskip
278 \bgroup}%
279 \fi}
280 \caption@package{longtable}{LT@makecaption}{}{}%
281 \ifx\LT@makecaption\relax
282 \PackageWarning{caption2}{%
283 Option 'longtable' was set but there is no longtable package loaded}
284 \else
285 \PackageInfo{caption2}{longtable package v3.15 (or newer) detected}
286 \dummyscaptionstyle{longtable}{}
287 \renewcommand\LT@makecaption[3]{%
288 \LT@mc@LT@cols c{\hbox to\z@{\hss\parbox[t]{\hsz{%
289 \ifignoreLTcapwidth
290 \else
291 \setcaptionwidth\LTcapwidth
292 \fi
293 \captionlinewidth\hsz
294 \realcaptionwidth\hsz
295 \captionlabelfalse#1\captionlabeltrue
296 \def\captionlabel{#2}%
297 \def\captiontext{#3}%
298 \usecaptionstyle{longtable}%
299 \endgraf\vskip\baselineskip}%
300 \hss}}}%
301 \fi}
302 \newcommand*\setsubcapstyle{%
303 \@ifundefined{subcapraggedrightfalse}{}%
304 \newif\ifsubcapraggedright}{}%
305 \ifsubcaphang
306 \ifsubcapcenter
307 \subcapstyle{hang+center}%
308 \else\ifsubcapcenterlast
309 \subcapstyle{hang+centerlast}%
310 \else\ifsubcapraggedright
311 \subcapstyle{hang+flushleft}%
312 \else
313 \subcapstyle{hang}%
314 \fi\fi\fi
315 \else\ifsubcapcenter
316 \subcapstyle{center}%
317 \else\ifsubcapcenterlast
318 \subcapstyle{centerlast}%
319 \else\ifsubcapraggedright
320 \subcapstyle{flushleft}%

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321 \else
322   \subcapstyle{normal}%
323 \fi\fi\fi\fi}
324 \newcommand\caption@makesubcaption[2]{%
325   \renewcommand*\captionfont{\subcapsize\subcapfont}%
326   \renewcommand*\captionlabelfont{\normalfont\subcapsize\subcaplabelfont}%
327   \let\captionlabeldelim\subcaplabeldelim
328   \let\captionlabelsep\subcaplabelsep
329   \ifsubfigcapwidth\captionwidthtrue\else\captionwidthfalse\fi
330   \setlength\captionmargin\subfigcapmargin
331   \setlength\captionwidth\subfigcapwidth
332   \captionindent\subcapindent
333   \ifsubcapnooneline\onelinecaptionsfalse\else\onelinecaptionstrue\fi
334   \hbox to\@tempdima{%
335     \caption@subfig@hss\parbox[t]{\@tempdima}{%
336       \captionlinewidth\@tempdima
337       \realcaptionwidth\@tempdima
338       \captionlabeltrue
339       \def\captionlabel{#1}%
340       \def\captiontext{\ignorespaces #2}%
341       \usecaptionstyle{\caption@substyle}}}%
342   \caption@subfig@hss}}
343 \caption@package{subfigure}{@makesubfigurecaption}{%
344   \let\setsubcapstyle\undefined
345   \let\caption@makesubcaption\undefined}%
346 \ifx\@makesubfigurecaption\relax
347   \PackageWarning{caption2}{%
348     Option 'subfigure' was set but there is no subfigure package loaded}
349   \let\setsubcapstyle\undefined
350   \let\caption@makesubcaption\undefined
351 \else
352   \ifx\subcapfont\undefined
353     \PackageInfo{caption2}{subfigure package v2.0 detected}
354     \let\subcapfont\@empty
355     \newcommand*\subfigcapwidth{\z@}
356     \newcommand*\setsubcapmargin{%
357       \subfigcapwidthfalse
358       \renewcommand*\subfigcapmargin}
359     \newcommand*\setsubcapwidth{%
360       \subfigcapwidthtrue
361       \renewcommand*\subfigcapwidth}
362     \newcommand*\subcaplabelsep{\space}
363     \let\caption@subfig@hss\hfil
364   \else
365     \PackageInfo{caption2}{subfigure package v2.1 (or newer) detected}
366     \newdimen\subfigcapwidth
367     \newcommand*\setsubcapmargin{%
368       \subfigcapwidthfalse
369       \setlength\subfigcapmargin}
370     \newcommand*\setsubcapwidth{%
371       \subfigcapwidthtrue
372       \setlength\subfigcapwidth}
373     \newcommand*\subcaplabelsep{\hskip\subfiglabelskip}
374     \let\caption@subfig@hss\hss

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375 \fi
376 \newif\ifsubfigcapwidth
377 \newdimen\subcapindent
378 \newcommand*\subcaplabeldelim{}
379 \newcommand*\subcapstyle[1]{%
380   \expandafter\ifx\csname caption@@#1\endcsname\relax
381     \PackageError{caption2}{Undefined caption style '#1'}{\caption@eh}%
382   \else
383     \def\caption@substyle{#1}%
384   \fi}
385 \setsubcapstyle
386 \renewcommand*\@thesubfigure{\thesubfigure}
387 \renewcommand*\@thesubtable{\thesubtable}
388 \let\@makesubfigurecaption\caption@makesubcaption
389 \let\@makesubtablecaption\caption@makesubcaption
390 \fi}
391 \let\caption@package\undefined

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